Logicbus
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Selection Guide

The specifications listed below is not the complete specifications. It is only for quick reference.

Power supply	
ACE-540A	24V/1.7A power supply(panel Mount)
DIN-540A	24V/1.7A power supply(DIN-Rail mount)
KA-52F	24V/1A power supply(no mounting)
DIN-KA52F	24V/1A power supply(DIN-Rail mountong)
KWM020-1824F	24V/0.75A power supply (No-mounting)
DP-1200	24V/5A power supply
DP-640	24V/1.7A Power supply
DP-660	24V/2.5A 5V/0.5A Power supply
DP-665	24V/2.5A 5V/0.5A Power supply
Development tools	
ISaGRAF-256-E	ISaGRAF Ver.3, up to 256 I/O tags + one English manual
ISaGRAF-256-C	ISaGRAF Ver.3, up to 256 I/O tags + one Chinese manual
ISaGRAF Book-E	User's manual of ISaGRAF controllers (English)
ISaGRAF Book-C	User's manual of ISaGRAF controllers (Chinese, traditional)
ISaGRAF controller	
I-8417	ISaGRAF I-8000 controller, 4 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
I-8817	ISaGRAF I-8000 controller, 8 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
I-8417-G	I-8417 gray color version
I-8817-G	I-8817 gray color version
I-8437	ISaGRAF I-8000 ethernet controller, 4 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
I-8837	ISaGRAF I-8000 ethernet controller, 8 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
I-8437-G	I-8437 gray color version
I-8837-G	I-8837 gray color version
I-8437-80	I-8437 with faster CPU (80M Hz)
I-8837-80	I-8837 with faster CPU (80M Hz)
I-8437-80-G	I-8437-80 gray color version
I-8837-80-G	I-8837-80 gray color version
I-7188XG	IsaGRAF I-7188 controller (Support battery-backup retain variables & memory if a X-607 / X-608 is plug in the only I/O expansion slot)
I-7188XGD	7188XG controller with display
I-7188EG	IsaGRAF I-7188 ethernet controller (Support battery-backup retain variables & memory if a X-607 / X-608 is plug in the only I/O expansion slot)
I-7188EGD	I-7188EG with display
W-8037	IsaGRAF Wincon-8000 controller, No I/O slot (**No** support battery-backup retain variables & memory : S-256 / S-512)
W-8337	IsaGRAF Wincon-8000 controller, 3 empty slots (Support battery-backup

	retain variables & memory if a S-256 / S-512 is plug in the back-plane)
W-8737	ISaGRAF Wincon-8000 controller, 7 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
W-8037-G	W-8037 gray color version
W-8337-G	W-8337 gray color version
W-8737-G	W-8737 gray color version
W-8036	Indusoft + IsaGRAF Wincon-8000 controller, No I/O slot (**No** support battery-backup retain variables & memory : S-256 / S-512)
W-8336	Indusoft + IsaGRAF Wincon-8000 controller, 3 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
W-8736	Indusoft + ISaGRAF Wincon-8000 controller, 7 empty slots (Support battery-backup retain variables & memory if a S-256 / S-512 is plug in the back-plane)
W-8036-G	W-8036 gray color version
W-8336-G	W-8336 gray color version
W-8736-G	W-8736 gray color version
Recommand to use Indutrial Ethernet Switch: NS-205 / NS-208 for W-8047/8347/8747/8046/8346/8746 and their gray color version.	
W-8047	IsaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, No I/O slot (**No** support battery-backup retain variables : S-256 / S-512)
W-8347	IsaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, 3 empty slots (Support battery-backup retain variables if a S-256 / S-512 is plug in the back-plane)
W-8747	ISaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, 7 empty slots (Support battery-backup retain variables if a S-256 / S-512 is plug in the back-plane)
W-8047-G	W-8047 gray color version
W-8347-G	W-8347 gray color version
W-8747-G	W-8747 gray color version
W-8046	Indusoft + IsaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, No I/O slot (**No** support battery-backup retain variables : S-256 / S-512)
W-8346	Indusoft + IsaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, 3 empty slots (Support battery-backup retain variables if a S-256 / S-512 is plug in the back-plane)
W-8746	Indusoft + ISaGRAF Wincon-8000 controller with Dual 10/100M Ethernet ports, 7 empty slots (Support battery-backup retain variables if a S-256 / S-512 is plug in the back-plane)
W-8046-G	W-8046 gray color version
W-8346-G	W-8346 gray color version
W-8746-G	W-8746 gray color version
Battery backup SRAM	
S256	256Kbytes battery backup SRAM for I-8417 /8817/8437/8837 and W-8337/8737 (W-8037 doen't support S-256/512)
S512	512Kbytes battery backup SRAM for I-8417 /8817/8437/8837 and W-8337/8737 (W-8037 doen't support S-256/512)
X607	128Kbytes battery backup SRAM for I-7188XG/7188EG & I-7188XGD/7188EGD

X608	512Kbytes battery backup SRAM for I-7188XG/7188EG & I-7188XGD/7188EGD
MMICON	
MMICON / LCD	Man-machine interface : 240x64 dots LCD Display
MMICON / Starter Kit	Man-machine interface : 240x64 dots LCD Display + 4x4 Keyboard
GSM modem	
M1206	900/1800 GSM/GPRS External Modem
LBGSMModem31	800/1800 GSM/GPRS External Modem
I-87K expansion base	Accepts I-87K serial I/O boards
I-87K4	Remote I-87K I/O base, 4 empty slots, RS-485 signal
I-87K5	Remote I-87K I/O base, 5 empty slots, RS-485 signal
I-87K8	Remote I-87K I/O base, 8 empty slots, RS-485 signal
I-87K9	Remote I-87K I/O base, 9 empty slots, RS-485 signal
I-87K4-G	I-87K4 gray color version
I-87K5-G	I-87K5 gray color version
I-87K8-G	I-87K8 gray color version
I-87K9-G	I-87K9 gray color version
Radio I/O expansion base	Accepts I-87K serial I/O boards
RF-87K1	Remote I-87K I/O base, 1 empty slot, Radio signal (Can work together with SST-2450)
RF-87K2	Remote I-87K I/O base, 2 empty slots, Radio signal (Can work together with SST-2450)
RF-87K5	Remote I-87K I/O base, 5 empty slots, Radio signal (Can work together with SST-2450)
RF-87K9	Remote I-87K I/O base, 9 empty slots, Radio signal (Can work together with SST-2450)
FRNET board & IO Modules	
I-8172	2-port FRNET Master board
FR-2053	16-ch. Isolated Digital Input module (20-pin header)
FR-2053T	16-ch. Isolated Digital Input module (20-pin screw terminal connector)
FR-2057	16-ch. Isolated Digital Output module (20-pin header)
FR-2057T	16-ch. Isolated Digital Output module (20-pin screw terminal connector)
FR-32P	32-ch. Isolated Digital Input module
FR-32R	32-ch. Relay output module. Nominal load: 3A/125Vdc, 3A/270Vac
Ethernet I/O	
I-8KE4-MTCP	4-slot Modbus/TCP I/O Unit
I-8KE8-MTCP	8-slot Modbus/TCP I/O Unit
Motion control board	
I-8091	2-axes stepping/servo motor control card
I-8090	3-axes encoder card
Timer/Counter board	
I-8080	4-ch. counter/frequency, 32 bit , 450K Hz max.
I-8080-G	I-8080 gray color version

I-87082	2 channel counter/Frequency, 32 bit, 100K Hz max.
I-87082-G	I-87082 gray color version
RS-232/485/422 board	
I-8112	2-port RS232
I-8114	4-port RS232
I-8142	2-port RS485/422
I-8142i	2-port isolated RS485/422
I-8144	4-port RS485/422
I-8112-G	I-8112 gray color version
I-8114-G	I-8114 gray color version
I-8142-G	I-8142 gray color version
I-8142i-G	I-8142i gray color version
I-8144-G	I-8144 gray color version
Parallel analog I/O board	
I-8017H	8-ch. 14-bit analog input, each ch. can be different input type (V, mA) & range. Range of +/- 20 mA need external resistor of 125 ohms. Differential input.
I-8017H-G	I-8017H gray color version
I-8017HS	8-ch. 14-bit analog input, each ch. can be different input type (V, mA) & range. Range of +/- 20 mA need external resistor of 125 ohms. Differential or Single-ended input, module is taller than I-8017H
I-8017HS-G	I-8017HS gray color version
I-8024	4-ch. 14-bit analog output, each ch. can be different output type (V,mA) & range
I-8024-G	I-8024 gray color version
Parallel digital I/O board	
I-8037	16-ch. isolated open-source output
I-8037-G	I-8037 gray color version
I-8040	32-ch. isolated digital input
I-8040-G	I-8040 gray color version
I-8041	32-ch. isolated digital output
I-8041-G	I-8041 gray color version
I-8042	Isolated digital 16-ch. input & 16-ch. output
I-8042-G	I-8042 gray color version
I-8050	16-ch. universal Digital I/O, each channel can be config as input or output (isolated)
I-8050-G	I-8050 gray color version
I-8051	16-ch. non-isolated digital input
I-8051-G	I-8051 gray color version
I-8052	8-ch. isolated digital input (differential)
I-8052-G	I-8052 gray color version
I-8053	16-ch. isolated digital input
I-8053-G	I-8053 gray color version
I-8054	Isolated digital 8-ch. input & 8-ch. output
I-8054-G	I-8054 gray color version
I-8055	Non-isolated digital 8-ch. input & 8-ch. output
I-8055-G	I-8055 gray color version
I-8056	16-ch. non-isolated O.C. output

I-8056-G	I-8056 gray color version
I-8057	16-ch. isolated O.C. output
I-8057-G	I-8057 gray color version
I-8058	8-ch. isolated digital input, AC/DC input, max. 250V
I-8058-G	I-8058 gray color version
I-8060	6-ch. relay output , AC: 125V @0.6A; 250V @0.3A, DC: 30V @2A; 110V@0.6A
I-8060-G	I-8060 gray color version
I-8063	Isloated digital 4-ch. input & 4-ch. relay , AC: 125V @0.6A; 250V @0.3A
I-8063-G	I-8063 gray color version
I-8064	8-ch. power relay output , AC: 250V @5A, DC: 30V @5A
I-8064-G	I-8064 gray color version
I-8065	8-ch. SSR-AC output, AC: 24 to 265Vrms @1.0Arms, Max. load current: 1.0 Arms
I-8065-G	I-8065 gray color version
I-8066	8-ch. SSR-DC output, DC: 3~30VDC@1.0A, Max. load current: 1.0A
I-8066-G	I-8066 gray color version
I-8068	8-ch. relay output, AC: 120V @0.5A, DC:30V @ 1A
I-8068-G	I-8068 gray color version
I-8069	8-ch. Photo Mos relay output
I-8069-G	I-8069 gray color version
I-8077	Simulation board: 8-ch. digital input (DIP switch) & 8-ch. output (Leds)
I-8077-G	I-8077 gray color version
Serial analog I/O board	
I-87013	4-ch. RTD input (temperature measurement with broken-line detection)
I-87013-G	I-87013 gray color version
I-87015	7-ch. RTD input (temperature measurement with broken-line detection)
I-87015-G	I-87015 gray color version
I-87016	2-ch. Isolated Strain Gauge Input (Will be available)
I-87016-G	I-87016 gray color version
I-87017	8-ch. analog input (V, mA). Range of +/- 20 mA need external resistor of 125 ohms.
I-87017-G	I-87017 gray color version
I-87017R	I-87017 with Over voltage protection: +/- 240 Vrms
I-87017R-G	I-87017R gray color version
I-87017RC	8-ch. analog input. Accept 4-20mA, 0-20mA or +/- 20mA. No external resistor needed.
I-87017RC-G	I-87017RC gray color version.
I-87018	8-ch. thermocouple input. (without broken-line detection)
I-87018-G	I-87018 gray color version. (without broken-line detection)
I-87018R	87018 with Over voltage protection: +/- 240 Vrms (temperature measurement with broken-line detection)
I-87018R-G	I-87018R gray color version
I-87019R	8-ch. universal Input with Over voltage protection: +/- 240 Vrms (V, mA, Thermocouple), each channel can be different input type and range (temperature measurement with broken-line detection) Range of +/- 20 mA need to set jumper on board.
I-87019R-G	I-87019R gray color version
I-87022	2-ch. 12-bit analog output, each ch. can be different output type (V,mA) & range,

	support channel to channel isolation
I-87022-G	I-87022 gray color version
I-87024	4-ch. 14-bit analog output
I-87024-G	I-87024 gray color version
I-87026	2-ch. 16-bit analog output, each ch. can be different output type (V,mA) & range, support channel to channel isolation
I-87026-G	I-87026 gray color version
Serial digital I/O board	
I-87040	32-ch. isolated digital input
I-87040-G	I-87040 gray color version
I-87041	32-ch. isolated digital output
I-87041-G	I-87041 gray color version
I-87051	16-ch. non-isolated digital input
I-87051-G	I-87051 gray color version
I-87052	8-ch. isolated digital input (differential)
I-87052-G	I-87052 gray color version
I-87053	16-ch. isolated digital input
I-87053-G	I-87053 gray color version
I-87054	Isolated digital 8-ch. input & 8-ch. output
I-87054-G	I-87054 gray color version
I-87055	Non-isolated digital 8ch. input & 8ch. output
I-87055-G	I-87055 gray color version
I-87057	16-ch. isolated O.C. output
I-87057-G	I-87057 gray color version
I-87058	8-ch. isolated digital input, AC/DC input, max. 250V
I-87058-G	I-87058 gray color version
I-87063	Isloated digital 4-ch. input & 4-ch. relay, AC: 125V @0.6A; 250V @0.3A DC: 30V @2A; 110V@0.6A
I-87063-G	I-87063 gray color version
I-87064	8-ch. power relay output, AC: 250V @5A, DC:30V @5A
I-87064-G	I-87064 gray color version
I-87065	8-ch. SSR-AC output, AC: 24 to 265Vrms @1.0Arms, Max. load current: 1.0 Arms
I-87065-G	I-87065 gray color version
I-87066	8-ch. SSR-DC output, DC: 3-30VDC @ 1A, Max. load current: 1.0A
I-87066-G	I-87066 gray color version
I-87068	8-ch. relay output, AC: 120V @0.5A, DC:30V @1A
I-87068-G	I-87068 gray color version
I-87069	8-ch. photo Mos relay
I-87069-G	I-87069 gray color version
Conveter & Repeater	
PCISA-7520R	PCI / ISA bus RS-232 to RS-485 card
PCISA-7520AR	PCI / ISA bus RS-232 to RS-485/422 card
I-7520	RS-232 to RS-485 converter
I-7520R	I-7520 with 3000V DC isolation at RS-485 side
I-7520A	RS-232 to RS-422/RS-485 converter
I-7520AR	I-7520A with 3000V DC isolation at RS-422/485 side
I-7560	USB to RS-232 Converter

I-7561	USB to RS-232/422/485 Converter
I-7563	USB to 1-ch RS-485 conveter with a three way RS485 Hub (isolated)
I-7510	RS-485 isolated repeater
I-7510A	RS485/RS422 isolated repeater
I-7510AR	Three way Isolated RS-422/485 Repeater
RS-485 Hub	
I-7513	3-way isolated RS485 to 3 ports RS485 hub
Man Machine Interface	
Touch506L	5.7" 4-Gray STN Panel display with touch
Touch506T	5.6" 256-color TFT panel LCD Display with Touch
Touch510T	10.4" Color TFT Panel Display With Touch
Wireless Modem	
SST-2450	Wireless Modem Module with RS-232/RS-485 Interface
I-7000 analog I/O module	
I-7011P	1-ch. thermo-couple input (16-bit), 1-ch. D/I & 2-ch. D/O, enhanced version of I-7011
I-7011PD	I-7011P with display
I-7012	1-ch. analog input (16-bit), 1-ch. D/I & 2-ch. D/O
I-7012D	I-7012D with display
I-7012F	High speed version of I-7012 (12-bit), normal 16-bit
I-7012FD	I-7012F with display
I-7013	ch. RTD input (16-bit) temperature measurement with broken-line detection
I-7013D	I-7013 with display
I-7014D	1-ch. analog/transmitter input (16-bit) with display, 1-ch. D/I & 2-ch. D/O
I-7015	6-ch. 2-or-3 wire RTD input (16-bit) temperature measurement with broken-line detection
I-7016	2-ch. strained gauge input (16-bit), 1-ch. D/I & 4-ch. D/O
I-7016D	I-7016 with display
I-7016P	1-ch. strained gauge input for longer cable length (16-bit), 1-ch. D/I & 4-ch. D/O
I-7016PD	I-7016P with display
I-7017	8-ch. analog input (16-bit), support voltage input and current input. Range of +/- 20 mA need external resistor of 125 ohms
I-7017C	I-7017 with current input only (+/- 20mA). No external resistor needed.
I-7017R	8-ch. analog input (16-bit), support voltage input and current input, Robust & high speed version of I-7017, higher Over voltage protection: (240Vrms). Range of +/- 20 mA need external resistor of 125 ohms
I-7017RC	I-7017R with current input only (+/- 20mA). No external resistor needed
I-7018	8-ch. thermocouple input (16-bit). (without broken-line detection)
I-7018P	8-ch. thermocouple input (16-bit), add 2 thermo-input type: L, M (without broken-line detection)
I-7018R	Enhanced version of I-7018P with temperature broken-line detection & higher Over voltage protection: (240Vrms)
I-7019R	8-ch. universal analog input, (voltage, current & Thermocouple), higher Over voltage protection: (240Vrms), each channel can be different input type and range

	(temperature measurement with broken-line detection) Range of +/- 20 mA need to set jumper on board
I-7021	1-ch. analog output (12-bit)
I-7021P	1-ch. analog output (16-bit)
I-7022	2-ch. analog output (12-bit), each ch. can be different output type (V,mA) & range
I-7024	4-ch. analog output (14-bit)
I-7033	3-ch. RTD input (16-bit) temperature measurement with broken-line detection
I-7033D	I-7033 with display
I-7000 digital I/O module	
I-7041	14-ch. isolated digital input
I-7041D	I-7041 with LED display
I-7042	13-ch. isolated O.C. output
I-7042D	I-7042 with LED display
I-7043	16-ch. non-isolated O.C. output
I-7043D	I-7043 with LED display
I-7044	Isolated digital 4-ch. input & 8-ch. output
I-7044D	I-7044 with LED display
I-7045	16-ch. Isolated digital output
I-7045D	I-7045 with LED display
I-7050	Non-isolated 7-ch. digital input (sink) & 8-ch. output
I-7050D	I-7050 with LED display
I-7050A	7 digital input & 8 output (current source)
I-7050AD	I-7050A with LED display
I-7052	8-ch. isolated digital input (6 differential + 2 single end)
I-7052D	I-7052 with LED display
I-7053	Non-isolated 16-ch. digital input
I-7053D	I-7053 with LED display
I-7055	8-ch. isolated input & 8-ch. isolated output
I-7055D	I-7055 with LED display
I-7060	4-ch. isolated input & 4-ch. relay output, AC: 125V @0.6A; 250V @0.3A, DC: 30V @2A; 110V @0.6A
I-7060D	I-7060 with LED display
I-7063	8-ch. isolated input & 3-ch. power relay, AC: 250V @5A, DC: 30V @5A
I-7063D	I-7063D with LED display
I-7063A	8-ch. isolated input & 3-ch. AC-SSR output, AC:24~ 265Vrms @1.0Arms, Max. Load current 1.0Arms
I-7063AD	I-7063A with LED display
I-7063B	8-ch. isolated input & 3ch. DC-SSR output, DC:3~ 30Vdc @1.0Arms, Max. Load current 1.0Arms
I-7063BD	I-7063B with LED display
I-7065	4-ch. isolated input & 5-ch. power relay, AC: 250VAC @5A, DC: 30V @5A
I-7065D	I-7065 with LED display
I-7065A	4-ch. isolated input & 5ch. AC-SSR relay, AC:24~ 265Vrms @1.0Arms, Max. Load current 1.0Arms
I-7065AD	I-7065A with LED display
I-7065B	4-ch. isolated input & 5ch. DC-SSR relay, DC:3~ 30Vdc @1.0Arms, Max. Load current 1.0Arms
I-7065BD	I-7065B with LED display

I-7066	7-ch. Photo Mos relay output
I-7066D	I-7066 with LED display
I-7067	7-ch. relay output, AC 120V@0.5A, DC 24V@1A
I-7067D	I-7067 with LED display
I-7000 counter module	
I-7080	2 high speed counter/frequency input (32-bit), 100K Hz max.
I-7080D	I-7080 with display
X-board (parellel I/O)	For I-7188XG & I-7188EG
X107	Non-isolated 6-ch. D/I and 7-ch. D/O
X109	Isolated 7-ch. PhotoMos Relay
X110	Non-isolated 14-ch. D/I
X111	Non-isolated 13-ch. D/O
X116	Isolated 4-ch. D/I and 6-ch. Relay (without case)
X119	Non-isolated 7-ch. D/O and 7-ch. D/I (without case)
X202	Non-isolated 7-ch. A/D (0~20mA, 12-bit)
X203	Non-isolated 2-ch. A/D (0~20mA, 12-bit), 2-ch. D/I, 6-ch. D/O
X303	Non-isolated 1-ch. A/D (+/-5V, 12-bit), 1-ch. D/A (+/-5V, 12-bit), 4-ch. D/I, 6-ch. D/O
X304	Non-isolated 3-ch. A/D (+/-5V, 12-bit), 1-ch. D/A (+/-5V, 12-bit), 4-ch. D/I, 4-ch. D/O
X305	Non-isolated 7-ch. A/D (+/-5V, 12-bit), 1-ch. D/A (+/-5V, 12-bit), 2-ch. D/I, 2-ch. D/O
X307	Non-isolated 8-ch. A/D (+/-10V, 12-bit), 2-ch. D/I, 2-ch. D/O (will be available)
X308	Non-isolated 4-ch. A/D (+/-10V, 12-bit), 6-ch. D/O
X310	Non-isolated 2-ch. A/D, ch.0:(0~20mA, 12-bit), ch.1: A/D (0~10V, 12-bit) 2-ch. D/A (0~10V, 12-bit), 3-ch. D/I, 3-ch. D/O
X-board (RS232/422/485)	For I-7188XG & I-7188EG
X503	1-Port RS-232 (5-Pin)
X504	2-Port RS-232, one is 5-Pin , one is 9-Pin
X505	3-Port RS-232 (5-Pin)
X506	6-Port RS-232 (3-Pin)
X507	1-Port RS-422/485, Non-isolated 4-ch. D/I, 4-ch. D/O
X508	1-Port RS-232 (5-Pin), Non-isolated 4-ch. D/I, 4-ch. D/O
X509	2-Port RS-232 (3-Pin), Non-isolated 4-ch. D/I, 4-ch. D/O
X510	1-Port RS-232 (3-Pin), Non-isolated 5-ch. D/I, 5-ch. D/O, EEPROM 128K x2
X511	3-Port RS-485
X518	1-Port RS-232 (5-Pin), Non-isolated 8-ch. D/O
X560	3-Port RS-232 (3-Pin), 8M bytes Flash memory (without case)
X-board (Battery backup SRAM)	For I-7188XG & I-7188EG
X607	128Kbytes battery backup SRAM
X608	512Kbytes battery backup SRAM
Industrial Ethernet Switch	

NS-205	Unmanaged 5-Port Industrial 10/100 Base-T Ethernet Switch
NS-208	Unmanaged 8-Port Industrial 10/100 Base-T Ethernet Switch